





AT	AID=0000	AID=0001	AID=0002		AID=FFFF
00	ART_EXAMPLE			
01					
02					
	:	:	:		:
	:	:	:		:
FE					
FF					

ADAPTER - TYPE / ADAPTER - ID TO ADAPTER - RESOURCE TABLE ADDRESS
FIG. 2A

RT	ART_EXAMPLE
00	ART ENTRY0
01	ART ENTRY1
02	ART_EXAMPLE ENTRY FOR CQ RESOURCE TYPE
03	
	:
	:
FF	ART ENTRY255

ADAPTER RESOURCE TABLE (ART)
FIG. 2B

DWORD		ART_EXAMPLE ENTRY FOR CQ RESOURCE TYPE						
0	ASAB		PRC		MRC			
1	SAC	RESERVED	SMC		RESERVED			
2	RESERVED	LARID			RESERVED	RIL		
3	ACCESS-TABLE ADDRESS (ATA) - AT IS FOR ALL CQ RESOURCES					RESERVED		
4	ADAPTER-STORAGE BASE ADDRESS FOR SAT=0					RESERVED		
5	ADAPTER-STORAGE BASE ADDRESS FOR SAT=1					RESERVED		
6-18	⋮					RESERVED		
19	ADAPTER-STORAGE BASE ADDRESS FOR SAT=15					RESERVED		
BITS		0	8	16	32	40	52	63
ADAPTER - RESOURCE - TABLE ENTRY (ARTE)								

FIG. 2C



CQ ACCESS TABLE (AT=0, AID=0)

	PSC	SIEC	M	P	V	PT	RZONE	GOID	PID
CQ0	0	0000	0	1	1	0	00	000	0000
CQ1	0	0000	0	1	1	0	00	000	0000
CQ2	1	3000	0	0	1	1	03	012	FF00

CQ ADAPTER - RESOURCE - TABLE ENTRY

AT=0, AID=0

	SAC	PRC	ATA	SPSAA	RSAA	PSAA	USAA
CQ	5	2	AF000	1A000	2A000	3A000	4A000

RID=2 \oplus 4K

02000

STORE MEMORY MAPPED I/O
RESOURCE-ADDRESS DESIGNATION:
AID=0 (HCA 0)
RT=2 (CQ), RID=2 (CQ2)
SAT=2 (PRIVILEGED-STORAGE AREA)
SAO=008 HEX

SAO=008 HEX

HSA

HCA ADDRESS SPACE

CQ PRIVILEGED-STORAGE-AREA
ADDRESS

CQ0-3A000

CQ1-3B000

CQ2-3C000

3C008

RESOURCE ADDRESS TRANSLATION

FIG. 3